

IN THE CLAIMS:

Claims 1-34 (Canceled)

35. (Previously Presented) An apparatus for forming an electric assembly comprising:
a dispensing tube having a plurality of orifices located longitudinally along a surface of
said dispensing tube; and

a vibration source coupling to said dispensing tube; wherein

said dispensing tube is configured for a plurality of blocks to be
dispensed from said plurality of orifices and onto a substrate and wherein said vibration
source facilitates even distribution of said plurality of blocks along said dispensing tube.

36. (Original) An apparatus as in claim 35 wherein said vibration source produces
frequencies ranging from 2HZ to 2000 HZ.

37. (Original) An apparatus as in claim 35 wherein said plurality of orifices has sizes and
shapes configured to match said plurality of blocks.

38. (Original) An apparatus as in claim 35 wherein said plurality of orifices has a first
pattern matching a second pattern of a plurality of receptor sites on a substrate that is
configured to receive said plurality of blocks.

39. (Previously presented) An apparatus as in claim 35 further comprising a rotation
mechanism coupling to each side of said dispensing tube wherein said rotation
mechanism rotates said dispensing tube.

40. (Previously Presented) An apparatus for forming an electric assembly comprising:
a dispensing tube having a plurality of orifices located longitudinally along a surface of
said dispensing tube; and
a vibration source coupling to said dispensing tube; wherein
said dispensing tube is configured for a plurality of blocks to be dispensed from said
plurality of orifices and wherein said vibration source facilitates even distribution of said
plurality of blocks along said dispensing tube;
a rotation mechanism coupling to each side of said dispensing tube wherein said
rotation mechanism rotates said dispensing tube;
wherein said rotation mechanism rotates said dispensing tube from a 0-degree
position to a 90-degree position.

41. (Previously Presented) An apparatus for forming an electric assembly comprising:
a dispensing tube having a plurality of orifices located longitudinally along a surface of
said dispensing tube; and
a vibration source coupling to said dispensing tube; wherein
said dispensing tube is configured for a plurality of blocks to be dispensed from said
plurality of orifices and wherein said vibration source facilitates even distribution of said
plurality of blocks along said dispensing tube;
a rotation mechanism coupling to each side of said dispensing tube wherein said
rotation mechanism rotates said dispensing tube;
wherein said rotation mechanism rotates said dispensing tube such that when said
plurality of blocks is being dispensed said plurality of orifices passes downward and
directly above a substrate.

42. (Previously Presented) An apparatus for forming an electric assembly comprising:
a dispensing tube having a plurality of orifices located longitudinally along a surface of
said dispensing tube; and
a vibration source coupling to said dispensing tube; wherein
said dispensing tube is configured for a plurality of blocks to be dispensed from said
plurality of orifices and wherein said vibration source facilitates even distribution of said
plurality of blocks along said dispensing tube;
a rotation mechanism coupling to each side of said dispensing tube wherein said
rotation mechanism rotates said dispensing tube;
wherein said rotation mechanism rotates said dispensing tube such that said plurality
of orifices points in a direction away from a substrate when said plurality of blocks are
not to be dispensed onto said substrate.

43. (Previously Presented) An apparatus for forming an electric assembly comprising:
a dispensing tube having a plurality of orifices located longitudinally along a surface of
said dispensing tube; and
a vibration source coupling to said dispensing tube; wherein
said dispensing tube is configured for a plurality of blocks to be dispensed from said
plurality of orifices and wherein said vibration source facilitates even distribution of said
plurality of blocks along said dispensing tube;
wherein said vibration source controls when said plurality of blocks are dispensed
onto said substrate.

44. (Original) An apparatus as in claim 35 further comprises a transfer chamber located inside said dispensing tube wherein a fluid is pumped in and out of said transfer chamber.

45. (Previously Presented) An apparatus for forming an electric assembly comprising:
a dispensing tube having a plurality of orifices located longitudinally along a surface of said dispensing tube; and

a vibration source coupling to said dispensing tube; wherein

said dispensing tube is configured for a plurality of blocks to be dispensed from said plurality of orifices and wherein said vibration source facilitates even distribution of said plurality of blocks along said dispensing tube;

a transfer chamber located inside said dispensing tube wherein a fluid is pumped in and out of said transfer chamber; and

wherein an inlet tube is disposed into a first end of said transfer chamber and an outlet tube is coupled to a second end of said transfer chamber, where a slurry having said plurality of blocks dispensed in said fluid is pumped into said transfer chamber through said inlet tube and excess fluid is poured out of said transfer chamber through said outlet tube.

46. (Previously presented) An apparatus as in claim 45 wherein a filter is further coupled to said outlet tube, said filter prevents said plurality of blocks from being removed out of said transfer chamber with said excess fluid.

47-65 (Canceled)